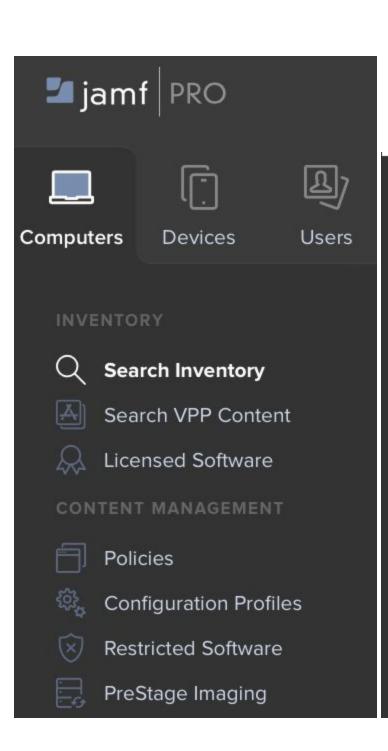
# Jamf Pro

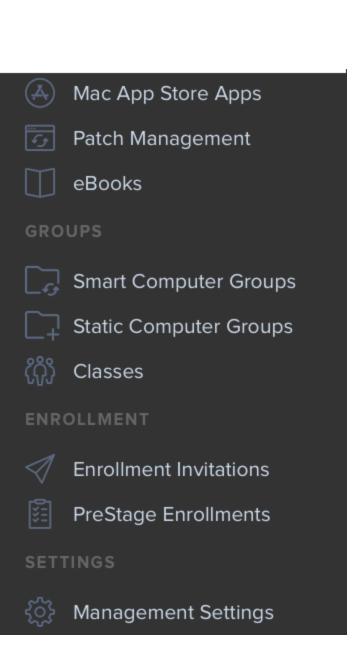
An overview of our Mac management system



# What is Jamf Pro?

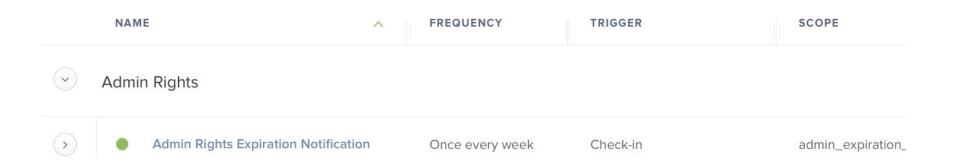
- Jamf Pro is a comprehensive management suite for Macintosh computers
- Jamf Pro allows us to push software, manage security settings, manage patching and updates, maintain an inventory, manage our PIV card login process, and much more
- Jamf Pro is a third party software suite that was originally conceived to fill in the gaps in enterprise management, and provide tools that Apple didn't provide natively.





- Jamf Pro's bread and butter features are Inventory,
   Policies, Configuration Profiles, Patch Management,
   Smart Groups, and the scripting framework.
- A Policy is our primary content delivery vehicle, containing software packages or scripts, configurations, accounts, as well as the controls for when it runs, which Macs it runs on, and how it's triggered. For a successful policy, you need to specify:
  - What The thing that you are deploying
  - When The frequency of the deployment
  - How Via check-in, or self service, or custom
  - Who Which Macs it is being deployed to

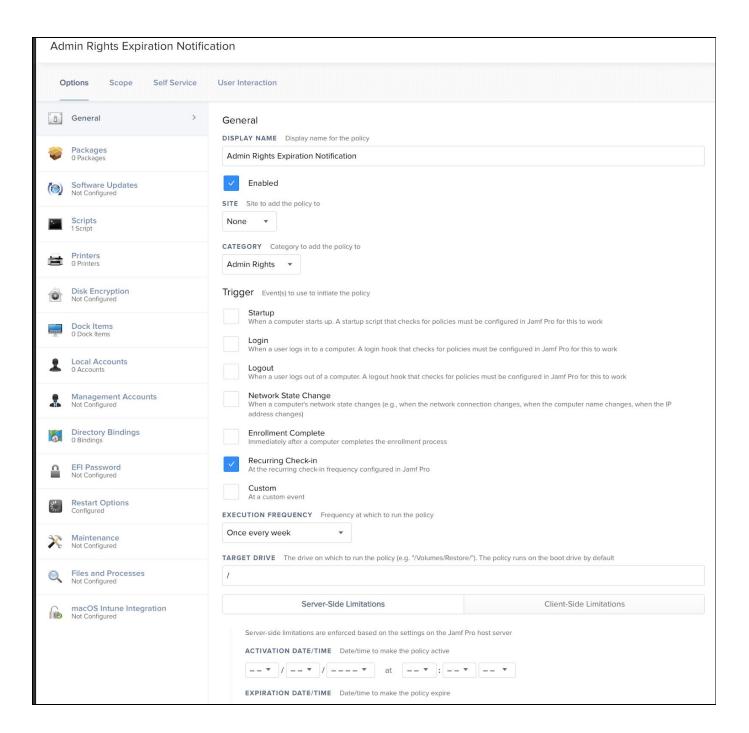
In Jamf Pro, these are called **Name**, **Frequency**, **Trigger and Scope**.



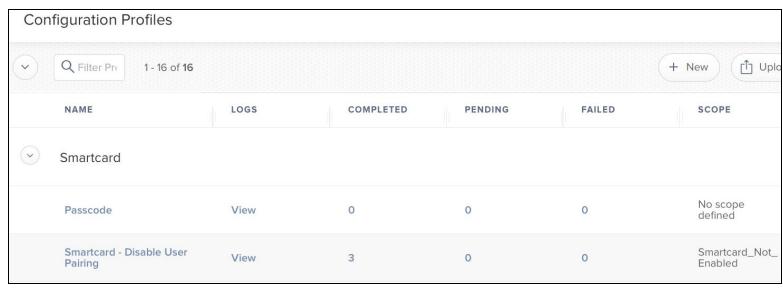
- Name: The name of the policy you are deploying.
- Frequency: The time interval. It can be once, once per user, once per computer, once per day, week, month, or ongoing.

- **Trigger:** The event that triggers the deployment. It can be Startup, Login, Logout, Check-in, Network change, On Enrollment, or you can create a custom trigger that can be called manually.
- Scope: The Macs it will be deployed to. This can be a Mac, a user, or a smart or static group. Example:

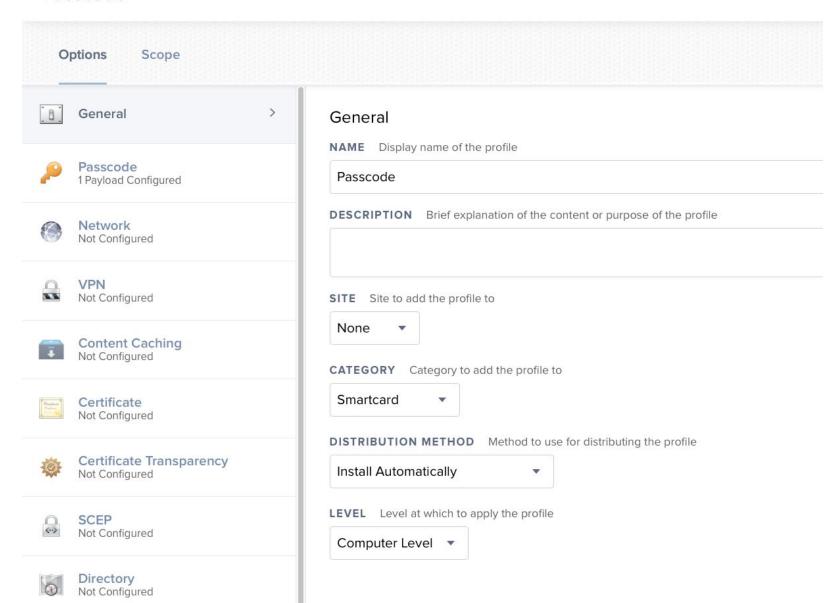




Configuration Profiles are Jamf's name for MDM profiles. MDM profiles are how we manage security settings on the Macs, whitelist kernel extensions, restrict software, manage and enable PIV logins.
 MDM commands are pushed instantly to the targeted Mac, and settings enabled by configuration profile are immediately reinforced if they change for any reason.



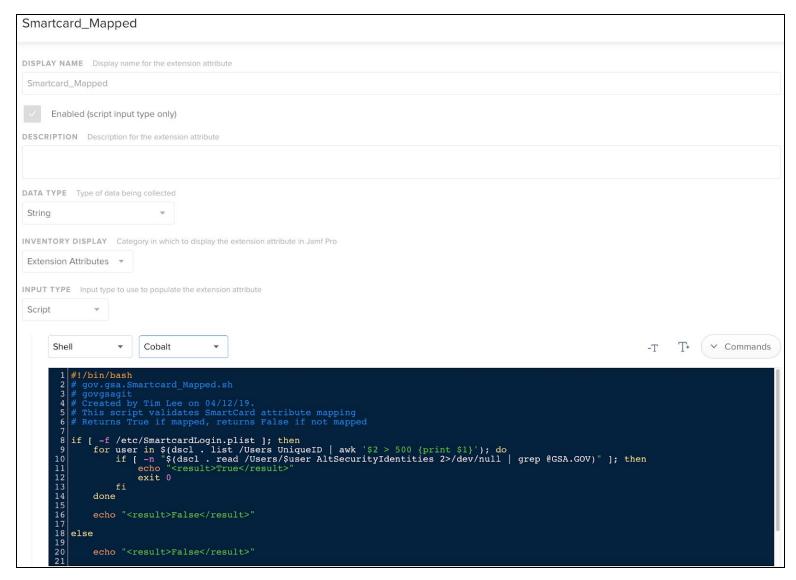
#### Passcode



- Inventory: Jamf pro takes an extensive inventory of every Mac, including info on every piece of hardware inside each Mac, software, settings, users, services, network settings, configuration profiles, disk encryption status, certificates, installed package receipts, usage stats, logs, etc.
- Inventory can be enhanced with **Extension Attributes**, which are customizable, scriptable containers that can be used to pull any info you can script into a format whose results can be used to create a smart group, which can be used to scope a policy.

102	H2J-5T92FVH5		
In	ventory Management Histor	ry	
0	General >	General	Edit
	Hardware 13-inch MacBook Pro (Early 2015)	Computer Name: I02H2J-5T92FVH5	
	Operating System	Site: Active	
4	Mac OS X 10.14.5	Last Inventory Update: 07/30/2019 at 6:35 AM	
	User and Location AndrewSVanBellinghen	Last Check-in: 07/30/2019 at 7:08 AM	
	Security  Purchasing	IP Address: 108.41.195.20	
		Reported IP Address: 192.168.1.172	
<u></u>		Jamf Binary Version: 10.13.0-t1559772983	
3	Storage 1Drive	Platform: Mac	
	Extension Attributes	Managed: Managed by gsajssadmin	
<u></u>	Diele Fores antico	Enrollment Method: User-initiated - no invitation	
0	Disk Encryption 1 of 1 Partitions Encrypted	Last iCloud Backup:	
A	Applications 55 Applications	<b>Last Enrollment:</b> 06/21/2019 at 10:47 AM	
	Profiles 3 Profiles	MDM Capability: Yes	
183		Enrolled via DEP: No	
	Certificates 6 Certificates	User Approved MDM: Yes	
	Package Receipts 14 Receipts	MDM Capable Users: andrewsvanbellinghen	
(3)	Software Updates 1 Update	Jamf Pro Computer ID: 4	
		Asset Tag:	
1	Local User Accounts 3 Accounts	Bar Code 1:	
Ħ	Printers 0 Printers	Bar Code 2:	
**	Services 322 Services	Bluetooth Low Energy Capability: Capable	
M		Logged in to iTunes Store: Not Active	

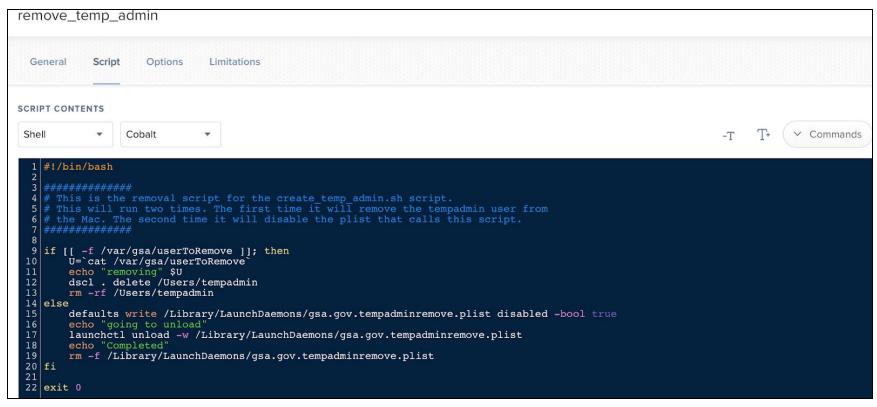
### • Extension Attribute:



## Smart Group:



 Smart groups can use any of the built in criteria to determine membership in the group, or they can use
 Extension Attributes as the criteria. EAs can pull any information from the OS that you can script, which is nearly everything because macOS is based on BSD Unix. • Scripting: MacOS is largely scriptable, so Jamf Pro has a built-in scripting interface that allows you to create functional shell scripts that can be used to accomplish anything you can script in MacOS.



- Scripts can be deployed through **policies**, like any other package, with the same controls over who, what, where and when.
- Packages: Packages are hosted on the Jamf server, and Jamf recognizes packages from developers like Microsoft, or we can use Jamf Composer to create our own packages.
- Packages are also deployed through policies, with the same controls applied.

Packages						
						+ New
NAME	^	CATEGORY	PRIORITY	FUT	FEU	INDEXED
Google_Chrome_66.0.3359.181.pkg	7	zInstallers	10	No	No	No
HP_Printer_Drivers_5.1_07192018.pkg	2	zInstallers	10	No	No	No
Privileges.dmg	ī	POC	10	No	No	Yes
VLC_3.0.1_07192018.pkg	2	zInstallers	10	No	No	No
VMware_Horizon_Client_4.3.0_07192018.pkg	2	zInstallers	10	No	No	No
Zoom_4.4.53932.0709.pkg	1	Testing	10	No	No	No

**NEXT: Live Demo!**